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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: February 14, 2011

(use as many sheets as necessary)

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| Application Number | 10/677,857 |
| Filing Date | 10/3/2003 |
| First Named Inventor | Cooper et al. |
| Art Unit | 1651 |
| Examiner Name | Thane E. Underdahl |
| Attorney Docket Number | 029318-0981 |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|---|--------------------------------|---|---|
| | A1 | 6,368,620 | 4/9/2002 | Liu et al. | |
| | A2 | 4,880,634 | 11/14/1989 | Speiser | |
| | A3 | 6,592,903 | 07/2003 | Ryde et al. | |
| | A4 | 6,045,829 | 04/2000 | Liversidge et al. | |
| | A5 | 6,375,986 | 04/2002 | Ryde et al. | |
| | A6 | 3,269,798 | 08/1966 | Miles Preston John | |
| | A7 | 3,692,532 | 09/1972 | Shankenberg et al. | |
| | A8 | 5,871,747 | 2/16/1999 | Gengoux-Sedlik et al. | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ Number Kind Code ⁴ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Documents | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|---|--|
| | B1 | WO 96/24335 | 8/15/1996 | Nanosystems LLC | |
| | B2 | EP 0 601 619 | 6/15/1994 | Sterling Winthrop Inc. | T ⁵ |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
|--------------------|-----------------------|--|----------------|
| | C1 | Office Action cited in related U.S. Patent Application No. 11/980,720, dated 12/22/2010. | |
| | C2 | Office Action cited in related U.S. Patent Application No. 09/337,675, dated 01/11/2011. | |
| | C3 | Office Action cited in related U.S. Patent Application No. 12/117,982, dated 02/02/2011. | |
| | C4 | Office Action cited in related U.S. Patent Application No. 12/292,395, dated 12/6/2010. | |
| | C5 | European Search Report cited in related EP Patent Application No. EP 10010944, dated 12/13/2010. | |

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| Sheet | 2 | Art Unit | 1651 |
| | | Examiner Name | Thane E. Underdahl |
| | | Attorney Docket Number | 029318-0981 |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ⁶ |
| | C6 | Canadian Office Action cited in related Canadian Patent Application No. 2488499, dated 12/16/2010. | |
| | C7 | Canadian Office Action cited in related Canadian Patent Application No. 2475092, dated 1/11/2011. | |
| | C8 | Calvo et al., "Effect of lysozyme on the stability of polyester nanocapsules and nanoparticles: stabilization approaches," <i>Biomaterials</i> , Vol. 18, No. 19, pp. 1305-1310 (1997). [ABSTRACT] | |
| | C9 | Tian et al., Structural Stability Effects on Adsorption of Bacteriophage T4 Lysozyme to Colloidal Silica," <i>J. Colloid. Interface Sci.</i> , Vol. 200, pp. 146-154 (1998). [ABSTRACT] | |

All References Considered Unless Lined Through /TU/

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|--------------------|-------------------|-----------------|--------|
| Examiner Signature | /Thane Underdahl/ | Date Considered | 6/4/11 |
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